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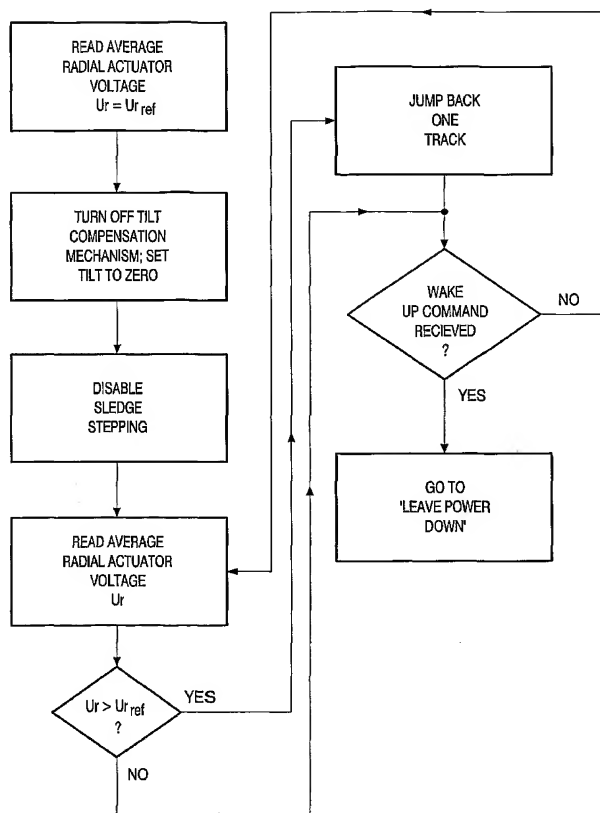
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(54) Title: POWER DOWN APPARATUS FOR AN OPTICAL DATA DRIVE



(57) Abstract: In an optical drive system, a "power down state" with a fast "leave power down" timing is provided. In order to meet these timing requirements, when the controller switches the system from a normal power supply mode to a power save mode, the focus and radial servo loops are kept closed, and only the tilt is reduced to zero, i.e. the tilt compensation mechanism is temporarily disabled. In order to ensure a relatively speedy commencement of a read/record operation from the power down mode (and to avoid drifting away from the readout spot to the outer radius of the disc), the system is arranged to cause the radiation spot to jump back a track every time it approaches the sector address at which the pause mode was initiated. The sledge motor controller is disabled and the average radial actuator voltage (i.e. the average voltage applied to the radial actuator controlled by the radial servo loop) is used to determine when to jump back. Thus, an address readout function is no longer required.



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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